

Domain_Name=Host, Node=1, HW_SerNum=0x3335510533353639004f0056 On=Y	OK ☐	23.4 ☐	114.9 ☐	Uptime: 0 days, 00:29:12 ☐		☒
Domain_Name=Thrudder-1, Node=3, HW_SerNum=0x3333470738373634001f0023 On=Y	OK ☐	19.0 ☐	144.3 ☐	Uptime: 0 days, 00:24:39 ☐		☒
Domain_Name=Bat-0x33335114373330300035004f, Node=4, HW_SerNum=0x33335114373330300035004f On=Y	OK ☐	21.0 ☐	113.2 ☐	Uptime: 0 days, 00:04:26 ☐		☒

Mechanical Checks

	Item/Procedure	Specifications	Comments	Initials
Float	Wet-mates connected/lubed	3M Silicone Lubricant Spray 3M ID No. 62-4678-4930-3		☒
	Connector covers secure			☒
	Drybox secure	Wiggle test		☒
	Contact info secure			☒
	Hull	Free of cracks and dings		☒
	Skeg/Fin	Secure		☒
Sub	Hardware secure			☒
	Umbilical visual inspection	Free of voids/defects		☒
	Umbilical ribbon cable inspection			☒
	Roll pins inserted	Flush with surface		☒
	Wings	Hardware secure with Loctite and Lock Nuts		☒
	Thrudder	Hardware secure		☒

Vehicle Functionality

Item/Procedure	Readings	Specifications	Comments	Initials
Thruster Spin	453.0 ☐	Spins freely, slow and fast speeds		☒
Rudder Range of Motion		Rudder moves freely and smoothly		☒
Rudder right, left, center	20T23:32:29.554Z,desiredHeading=234.6,compass=184.4,rack=13.1,post=14.5rudderStatus=34008100,)	Right, Left, Center		☒
Thrudder Compass Correction	Thrudder compass is NOT corrected	recommended NOT corrected		☒
Fixed heading test (spin)	180 ☐	Avoidance Off, Note Heading Used		☒
Waypoint course test (spin)	41 ☐	Avoidance Off, Note Waypoint Course Used		☒
Buoy Release Mechanism	device is disarmed, deviceState=OFF, deployCounter=0, waitTime=30s	Catch release buoy by hand		☒
Octopus Cable 01	OK	Must Pass		☒
Octopus Cable 02	OK	Must Pass		☒
AIS Status	MMSI 338415000 (RACHEL CARSON). Pos=36.802178, -121.787198. t=90:0:MOORED, 2024-03-20T23:32:18.690Z	If in harbor, must see MMSI		☒
Photo Document				☒

Vehicle Communication and Telemetry

Item/Procedure	Readings / Specifications	Comments	Initials
WX reporting	Temp=18.3°C, Press=1017.4mb, Wind Speed=3.27kn, Wind Dir=229.4°. Heading=201.0° ☐		☒
UBLOX GPS	2024-03-20T23:32:32Z@36.8024118,-121.7871528,lastRx=0.665s,quality=100,clockDt=2.244s,failCount=0,ggaQCount:2=300,numSat:sma=8.25,std=0.43,min=8.00,max=9.00,hdop:sma=1.15,std=0.00,min=1.15,max=1.15,altitude:sma=0.85,std=1.01,min=-1.30,max=3.00 ☐		☒
Airmar GPS	2024-03-20T23:32:31.600Z@36.80241,-121.7871567,lastRx=0.892s,quality=80,clockDt=2.685s,failCount=0,ggaQCount:2=300,numSat:sma=9.67,std=0.48,min=8.00,max=10.00,hdop:sma=1.13,std=0.05,min=1.10,max=1.20,altitude:sma=3.87,std=0.60,min=2.80,max=4.70 ☐		☒
Torpedo GPS	Not Available!		☒
Water speed readings	Out of the water; Unknown speed; Not yet running, powerState=OFF, ampsPower=false, powerThreadActive=false ☐		☒
Obstacle Avoidance Status	Enabled ☐		☒
Check alarms	"Out of bounds" red. All yellow/green ☐		☒

General Comments

Hotspot 2 installed with MF DAT tested with Galene while vehicles were in tank for WetWiFi testing. Hotspot cell and Iridium comms checked on the dock.

Technician Signature:

Note: Once vehicle is launched the following tasks must be completed

1. Clear alarms
2. Log vehicle modifications in notebook
3. Vehicle on mission
4. Create *LAUNCHED* comment into WGMS
5. Upload photos to gallery website with album name: YYYY-MM-DD VehicleName

Submit

Print

Clear User Input